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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/521,165	09/07/2005	Lennart Hakansson	62646-P1695	9112
20736	7590 09/07/2006		EXAMINER	
MANELLI DENISON & SELTER 2000 M STREET NW SUITE 700			TOLAN, EDWARD THOMAS	
	DN, DC 20036-3307		ART UNIT	PAPER NUMBER
			3725	
			DATE MAILED: 09/07/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary Examiner Examiner Art Unit Art Uni		Application No.	Applicant(s)				
Edward Tolan Si725	Office Action Commen	10/521,165	HAKANSSON ET AL.				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address − Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. HICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Eathertonic for them may be evaluable under the provision of 37 CRT 118(b). In no event, however, may a reply be thenly filed. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (8) MONTHS from the mailing date of this communication. Failure for grow which the set or createded period for reply will. by stabule, cause the application to Secure AshANDEOLOGY (51 U.S. C. § 133). Any reply received by the file set or exceeded period for reply will. by stabule, cause the application (50 U.S. C. § 133). Any reply received by the to filed limit than there mainly after the mailure of the communication, even it timely filed, may reduce any events glaveline than application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) ○ Claim(s) 11-22 is/are pending in the application. 4a) Of the above claim(s) is/are allowed. 6) ○ Claim(s) 11-22 is/are pecification. 5) ○ Claim(s) is/are allowed. 6) ○ Claim(s) is/are rejected. 7) ○ Claim(s) is/are objected to. 8) ○ Claim(s) is/are objected to by the Examiner. 10) ○ The drawing(s) filed on 14 January 2005 is/are: a) ○ accepted or b) ○ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) ○ The drawing(s) filed on 14 January 2005 is/are: a) ○ accepted or b) ○ objected to by the Examiner. Applicant may not request that any objection to t	Office Action Summary	Examiner	Art Unit				
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1) Responsive to communication(s) filed on	 WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any 						
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Application/Control Number: 10/521,165

Art Unit: 3725

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 11,12 and 16 are rejected under 35 U.S.C. 102(b) as being anticipated by Nishida (5,042,283). Nishida discloses a method of manufacturing a tubular cupshaped shell by providing a body of material (6) having a through hole and placing the body in a counterdie (4) with a first end surface of the body facing a bottom (4c) of the counterdie with an inner wall (4b) of the counterdie enclosing the body. A mandrel (5) has a guide pin that interacts with the through hole as the body is cold formed by plastic deformation.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 13-15 and 17-30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nishida (5,042,283) in view of Nakahara et al. (4,321,816). Nishida does not disclose dimensions of the shell. Nakahara teaches that it is known (column 5, lines 6-35, column 6, lines 20-37 and column 6, lines 57-68) that it is known to design

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an impact extrusion punch and die set to produce a shell with desired wall thickness and shoulder dimensions. In column 5, line 47 Nakahara discloses that a conventional shell has a wall thickness variation of 0.5mm, between 1mm and 1.5mm at the shoulder and a wall thickness variation of 20-70 microns, 0.05mm at the wall thickness. It would have been obvious to one skilled in the art at the time of invention to provide the tooling and blank of Nishida with dimensional parameters as taught by Nakahara in order to produce shells with consistent dimensions including wall thickness.

Claims 31 and 32 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nishida (5,042,283) in view of Nakahara et al. (4,200,051). Nishida discloses a method of manufacturing a tubular cup-shaped shell by providing a body of material (6) having a through hole and placing the body in a counterdie (4) with a first end surface of the body facing a bottom (4c) of the counterdie with an inner wall (4b) of the counterdie enclosing the body. A mandrel (5) has a guide pin that interacts with the through hole as the body is cold formed by plastic deformation. Nishida does not disclose drawing the shell. Nakahara teaches (column 6, lines 4-19) that it is known to draw a shell that has been extruded by cold deformation pressing. It would have been obvious to one skilled in the art at the time of invention to draw the shell of Nishida as taught by Nakahara in order to draw the shell wall to a final shape or thickness. Regarding claim 32, in Example 1, Nakahara teaches extruding a body of known dimensions until a desired wall thickness has been reached.

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Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication should be directed to Ed Tolan whose telephone number is 571-272-4525. FAX communications should be sent to 571-273-8300.

EDTOLAN PRIMARY EXAMINER